A REVIEW OF THE GENERIC NAMES PROPOSED FOR OLD WORLD ICHNEUMONIDS, THE TYPES OF WHOSE GENOTYPES ARE IN JAPAN, FORMOSA, OR NORTH AMERICA

(Hymenoptera, Ichneumonidae)

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It has recently been possible to study the types of the ichneumonid genotypes that are in various collections in Japan, Formosa, and North America. In certain papers, particularly in the *Hymenoptera of America North of Mexico, Synoptic Catalog* (1951. U. S. Dept. Agr., Agr. Monog. 2: 184-409), there has been an opportunity to review the status of the generic names applicable to the Nearctic Fauna, so far as was possible at those times. The present paper reviews the generic names proposed for Old World species, the types of whose genotypes have been studied to date.

Other authors, particularly Uchida, Heinrich, and Cushman, have already reviewed the status of many of the generic names treated herein, and many of those proposed by Uchida and Cushman were adequately described and figured to begin with. There has remained, however, a large number which are enigmas as far as the literature is concerned, and it has seemed desirable to try to clarify these and to bring together all the names in one list for easy reference, with confirmations of previous dispositions, further information or corrections where needed, and bibliographic references to the pertinent literature.

The types of the genotypes concerned are housed in the following collections: Institutum Entomologicum, Hokkaido University, Sapporo, Japan; Taiwan National Agricultural Research Insitute, Taipeh, Formosa; U. S. National Museum, Washington, D. C.; and the postwar collection of Mr. Gerd Heinrich, at present partly at Dryden, Maine, and partly at Ann Arbor, Michigan. The types of Uchida's genotypes are mostly at Sapporo and a few others are in Shanghai, Washington, and Berlin-Dahlem. Those in Washington concern genera erected on Ashmead species. The Uchida types in Shanghai and Berlin-Dahlem have not been seen, but the generic names involved are included also in the discussion for the sake of completing the list of his genera, even though the remarks concerning them can not be based on the holotypes. The Sonan types are in Taipeh. The Ashmead, Cushman, and Viereck types are all in Washington. Ashmead, Uchida, and Viereck have referred Old World species to a few of Foerster's ichneumonid genera that had not previously contained species and thus made genotypes available for them. The status of these Foersterian genera is reviewed also, alphabetically with the rest.

I am deeply indebted to the curators of the various collections for the privilege of studying the material in their care, and especially to Dr. Toichi Uchida for the assistance given while I was visiting Sapporo. Mr. J. F. Perkins has assisted with information on the names *Atelcute*, *Talorga*, *Cremastus*, and with some of the Aeaenitini.

Some of the tribal and subtribal names employed in the discussion of genera belonging to the subfamilies Gelinae and Ophioninae will be unfamiliar. For their elucidation, the reader is referred to another paper by the author, entitled "A synopsis of the tribes and subtribes of Gelinae and Ophioninae (Hymenoptera, Ichneumonidae)" (1957. Proc. Ent. Soc. Wash. 59: .....)

ALPHABETICAL LIST OF THE GENERA

ACERATASPIS Uchida, 1934. Insecta Matsumurana 9: 23. New name for *Cerataspis* Uchida, preoccupied.

Resembles *Metopius* in most characters but lacks the shield-shaped area on the face. The face is evenly convex.

AKAJOPPA Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 217 **New name** for *Erythrojoppa* Uchida, preoccupied.

Synonym of *Allonotus* (**new synonymy**).

ALLOTHERONIA Ashmead, 1900. Proc. Linnaean Soc. New South Wales 25: 351. One species.

Type: (*Allotheronia 12-guttata* Ashmead, 1900) = *Cryptus intricatorius* Fabricius, 1804.

A synonym of *Echthromorpha*, as previously noted (Townes, 1940. Ann. Ent. Soc. Amer. 33: 288).

AMAUROMORPHA Ashmead, 1905. Proc. U. S. Natl. Mus. 29: 410. One species.

Type: *Amauromorpha metathoracica* Ashmead, 1905. Monobasic.

A monotypic Oriental genus of Mesostenini, subtribe Echthrina. Its cardinal characters are: First abdominal tergite without a lateral subbasal triangular projection, propodeum with a basal transverse carina, first intercubitus a little beyond the second recurrent vein, body hair very dense, clypeus without a median tooth.

AMEBACHIA Uchida, 1938. Jour. Faculty Agr. Hokkaido Univ. 21: 198. One species.

Type: *Amebachia baibarana* Uchida, 1928. Original designation.

Same genus as *Netelia*, and belongs in or near the subgenus *Netelia*. *Baibarana* differs from known members of the subgenus *Netelia* in lacking the occipital carina, but a careful examination of Uchida's specimens shows this carina to be sometimes present as a faint trace. A decision as to whether *Amebachia* should be synonymized with the subgenus *Netelia* or maintained as a distinct subgenus should be deferred until the male genitalia of its genotype can be studied.

ANOMALOCTENUS Cushman, 1934. Indian Forest Rec. 20: 4. One species.

Type: *Anomaloctenus melleus* Cushman, 1934. Original designation.

I consider this a synonym of *Apatagium*, which is a subgenus of *Netelia*, as previously noted (Townes, 1938. Lloydia 1: 185).

APOCRYPTUS Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 170. One species.

Type: *Apocryptus issikii* Uchida, 1932. Original designation.

This genus belongs in the Mesostenini and appears to belong to the subtribe Echthrina, but the only specimen seen was a male. The female type is in Berlin-Dahlem.

APOPHYSIUS Cushman, 1922. Philippine Jour. Sci. 20: 587. One species.

Type: *Apophysius bakeri* Cushman, 1922. Original designation.

An aberrant genus of Hemigastrini, well characterized in the original description. I have seen about six species, all from the Oriental Region.

ARACHNOLETER Cushman, 1924. Proc. U. S. Natl. Mus. 64: 2. One species.

Type: *Arachnoleter swezeyi* Cushman, 1924. Original designation.

A genus of Gelini, well illustrated in the original description. A singular generic character that is not brought out in the original description is the fact that the spiracles of the second to fourth abdominal segments are on the epipleura rather than on the tergites. I have a Swedish specimen determined as "*Theroscopus stagnalis* Thomson" by Roman which belongs to *Arachnoleter*, to which genus *Hemiteles stagnalis* Thomson, 1884 is hereby transferred. A third species of the genus (undescribed) occurs in northeastern United States.

ASTOMASPIS Foerster, 1868. Vehr. naturh. Ver. Rheinlande 25: 175. No species.

Ashmead, 1904. Proc. U. S. Natl. Mus. 28: 140. One species.

Type: *Astomaspis metathoracica* Ashmead, 1904. Monobasic.

An Oriental genus of the *Phobetes* group, tribe *Gelini*, that commonly goes under the name of *Syrites*. The male has a broad short abdomen with three visible tergites, the third ending in a pair of spines. *Syrites* is a junior synonym. *Astomaspis* of authors is a different genus, which has been renamed *Haplaspis*.

BADYORYGMA Uchida, 1936. Insecta Matsumurana 10: 112. One species.

Type: *Badyorygma flavoguttatum* Uchida, 1936. Original designation.

A synonym of *Ichneumon* (new synonymy). The genotype is closely related to (*Aglaojoppa*) *Ichneumon flavomaculata* Cameron, 1901 (**new combination**).

BANCHOGASTRA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 87. One species.

Type: *Banchogastra nigra* Ashmead, 1900. Original designation.

I consider this a synonym of *Enicospilus*, as first noted in 1945 (Mem. Amer. Ent. Soc. 11: 737). Cushman, however, considers it a distinct genus and has discussed its characters (1947. Proc. U. S. Natl. Mus. 96: 460-461).

BRACHYNERVUS Uchida, 1955. Jour. Faculty Agr. Hokkaido Univ. 50: 123. One species.

Type: *Brachynervus tsunekii* Uchida, 1955. Original designation.

A genus of Anomalini with one spur on the middle tibia and the intercubitus obliterated by the approximation of the radial and cubital veins. I have not seen it.

BRACHYSCLEROMA Cushman, 1936. Proc. U. S. Natl. Mus. 88: 369. One species.

Type: *Brachyscleroma apoderi* Cushman, 1936. Original designation.

This anomalous ophionine genus belongs in a separate tribe, the Brachysceleromatini.

CAENOCRYPTOIDES Uchida, 1936. Insecta Matsumurana 11: 4. One species.

Type: *Ischnojoppa tarsalis* Matsumura, 1912. Original designation.

This genus is close to *Agrothereutes*.

CERATOMANSA Cushman, 1922. Philippine Jour. Sci. 20: 574. One species.

Type: *Ceratomansa prima* Cushman, 1922. Original designation.

A genus of Mesostenina with considerable superficial resemblance to the genus *Mansa*. *Mansa* belongs in the Hemigastrini.

CERCODINOTOMUS Uchida, 1940. Insecta Matsumurana 15: 9. One species.

Type (*Psilomastax pictus* Kriechbaumer, 1882) = *Psilomastax pyramidalis* Tischbein, 1868. Original designation.

A synonym of *Psilomastax*, having the same genotype. *Psilomastax* is very close to *Trogus*, but differs in having the prepectal carina present only on the mesosternum, and in some additional characters as tabulated by Uchida in his description of *Cercodinotomus*.

CERATASPIS Uchida, 1934. Trans. Sapporo Nat. Hist. Soc. 13: 275. One species. Name preoccupied by Gray, 1828.

Type: *Cerataspis clavata* Uchida, 1934. Original designation.

Renamed *Aceraspis*, which see.

CHASMOCRYPTUS Uchida, 1936. Insecta Matsumurana 11: 16. One species.

Type: (*Plectocryptus hokkaidensis* Uchida, 1930) = *Cryptus penetrator* Smith, 1874.

A synonym of *Polytribax* (**new synonymy**).

CHRIODES Foerster, 1868. Vehr. naturh. Ver. Rheinlande 25: 178. No species. Ashmead, 1905. Proc .U. S. Natl. Mus. 28: 966. One species.

Type: (*Chriodes* (!) *oculatus* Ashmead, 1905) = *Atrometus minutus* Ashmead, 1904. Monobasic.

A genus of Ophioninae common in the Old World tropics and many times named. Synonyms are *Nesomesochorus*, *Mavandia*, and *Metanomalon* (**new synonymies**). *Klutiana* is a subgenus differing in the lack of the subdiscoidella vein (**new status**). *Mavandiella* is a synonym of *Klutiana* (**new synonymy**). *Chriodes* and the Neotropic genus *Nonnus* constitute a distinct section of the tribe Porizonini.

COBUNUS Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 23: 65. One species.

Type: *Ichneumon pallidiolus* Matsumura, 1912. Original designation.

Heinrich (1934. Mitteil. Zool. Mus. Berlin 20: 100) discusses the characters of this genus. He places it near *Naenaria*.

COCHLIDIONOSTENUS Uchida, 1936. Insecta Matsumurana 10: 115. One species.

Type: *Cryptaulax coreanus* Szépligeti, 1916. Original designation.

This genus is related to *Coccygodes*, *Christolia*, and *Lamprocryptidea*. This group of genera, so far as known, parasitizes Limacodidae.

COELOJOPPA Uchida, 1925. Zool. Mag. Tokyo 37: 453. One species. Name preoccupied by Cameron, 1904.

Type: *Coelojoppa segmentalia* Uchida, 1925. Original designation.

This genus was renamed *Uchidia* by Heinrich in 1934, but it is a synonym of *Naenaria* Cameron, 1903. Uchida has discussed the synonymy (1942. Insecta Matsumurana 16: 34).

COLPOTROCHIOIDES Uchida, 1930. Jour. Faculty Agr. Hokkaido Univ. 25: 263. Two species.

Type: *Colpotrochioides orientalis* Uchida, 1930. Original designation.

Listed as a synonym of *Colpotrochia* (Townes and Townes, 1951. U. S. Dept. Agr., Agr. Monog. 2: 355), but a better treatment seems to be as a synonym of *Scallama*, with *Scallama* as a subgenus of *Colpotrochia* (**new status**). *Scallama* (with *Colpotrochioides* as a synonym) has the nervellus broken below the middle and the areolet always present. The subgenus *Colpotrochia* has the nervellus broken near the middle and the areolet often lacking.

COREOJOPPA Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 23. One species.

Type: *Coreojoppa flavomaculata* Uchida, 1926. Original designation.

A synonym of *Pterocormus* (**new synonymy**). The genotype is a large robust form which is close to and may be a subspecies of (*Ichneumon*) *Pterocormus sexmaculatus* Matsumura, 1912.

CREMASTIDEA Viereck, 1912. Proc. U. S. Natl. Mus. 43: 587. One species.

Type: *Cremastus* (*Cremastidea*) *chinensis* Viereck, 1912. Original designation.

A synonym of *Temelucha*, and the genotype is a synonym of (*Ophionellus*) *Temelucha biguttulus* Munakata (**new combination**). Uchida (1934. Insecta Matsumurana 9: 4) has published the speeific synonymy.

CRYPTAULAXOIDES Uchida, 1940. Insecta Matsumurana 14: 121. Two species.

Type: *Cryptus purpuratus* Smith, 1852. Original designation.

I consider this a synonym of *Cochlidionostenus* (**new synonymy**).

CTENOCHARIDEA Cushman, 1922. Philippine Jour. Sci. 20: 549. One species.

Type: (*Ctenocharidea luzonensis* Cushman, 1922) = subspecies of *Maraces flavobalteata* Cameron, 1902. Original designation.

A synonym of *Maraces*. *Luzonensis* is a Philippine subspecies of *Maraces flavobalteata* Cameron, 1902, the genotype of *Maraces*. Heinrich published these facts in 1934 (Mitteil. Zool. Mus. Berlin 20: 134, 136).

CUBOSCOPESIS Heinrich, 1952. Ann. Mag. Nat. Hist. (ser. 12) 5: 1080. One species.

Type: *Cuboscopesis epachthoides* Heinrich, 1952. Original designation.

Similar to *Scopesis* and I see no reason for making the fine generic distinctions that would be necessary if *Cuboscopesis* is to be retained as a genus. I have formerly (1951. U. S. Dept. Agr., Agr. Monog. 2: 331-334) included *Scopesis* and many other minor groups in a broadly defined genus *Mesoleius*. This may be the best arrangement, but the matter needs a thorough study.

DAICTES Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 176. No species. Viereck, 1911. Proc. U. S. Natl. Mus. 40: 193. One Species.

Type: *Phygadeuon* (*Daïctes*) *fukaii* Viereck 1911. Monobasic.

A synonym of *Mastrus* (**new synonymy**).

DAISETSUZANIA Uchida, 1930. Jour. Faculty Agr. Hokkaido Univ. 25: 289. One species.

Type: *Daisetsuzania albifrons* Uchida, 1930. Original designation.

A synonym of *Himerta* (**new synonymy**).

DENTIMACHUS Heinrich, 1949. Mitteil. Münchner Ent. Gesell. 35-39: 86. One species.

Type: *Dentimachus morio* Heinrich, 1949. Original designation.

This genus resembles *Perispuda* and *Scopesis*, but differs from both in having the lower tooth of the mandible longer than the upper. I have compared the type of *Dentimachus morio* with the series of *Tryphon flavipes* Gravenhorst on which Heinrich based the new genus *Nemesoleius*. I believe the two species congeneric and hereby synonymize *Nemesoleius* with *Dentimachus*. Heinrich mentioned propodeal differences as the generic distinction between *Nemesoleius* and *Dentimachus*. The propodeal carinae of the genotype of *Nemesoleius* are of the common *Scopesis* type. In the genotype of *Dentimachus* they are almost obsolete and the apical propodeal carina is more regularly transverse. This difference does not impress me as being of generic value.

DIAGLYPTIDEA Viereck, 1913. Proc. U. S. Natl. Mus. 46: 371. One species.

Type: *Diaglyptidea roepkei* Viereck, 1913. Original designation.

A genus of Gelini related to such genera as *Isdromas* and *Haplaspis*.

DIATORA Foerster, 1868. Ver. naturh. Ver. Rheinlande 25: 180. No species.

Ashmead, 1904. Proc. U. S. Natl. Mus. 28: 141. One species.

Type: *Diatora prodeniae* Ashmead, 1904. Monobasic.

An Oriental genus of Gelini. Cardinal generic characters are: Lateral edge of second tergite without a carina or crease setting off its epipleurum; notaulus extending beyond the middle of the mesoscutum, of almost uniform strength throughout its length and posteriorly ending abruptly; disc of mesoscutum without hairs.

DICHELOBOSMINA Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 201. One species.

Type: *Dichelobosmina tuberculata* Uchida, 1932. Original designation.

A rather robust member of the *Hymenobosmina* group of genera. Unusual features are the absence of the glymma except for a trace, the short face and clypeus, and particularly the propodeal carination.

ECTOPOIDES Heinrich, 1951. Bonner Zool. Beitrage 3-4: 280. One species.

Type: *Ectopoides tennisseni* Heinrich, 1951. Original designation.

Heinrich related this genus to *Ectopius* and *Apaeleticus*. I examined the type in 1951 but have not seen it recently.

EGURICHNEUMON Uchida, 1929. Trans. Sapporo Nat. Hist. Soc. 10: 116. One species.

Type: *Chasmias agitatus* Matsumura and Uchida, 1926. Original designation.

A synonym of *Ulesta*, as was noted by Heinrich (1934. Mitteil. Zool. Mus. Berlin 20: 174).

ELASMOGNATHIAS Ashmead, 1906. Proc. Ent. Soc. Wash. 8: 31. New name for *Elasmognathus*, preoccupied.

A synonym of *Caenojoppa*, as noted by Heinrich (1934. Mitteil. Zool. Mus. Berlin 20: 122).

ELASMOGNATHUS Ashmead, 1905. Proc. U. S. Natl. Mus. 29: 405. One species. Name preoccupied by Gill, 1865, and by Newton, 1878.

Type: *Elasmognathus cephalotes* Ashmead, 1905. Monobasic.

Renamed *Elasmognathias*, which see.

ERIPTERNIMORPHA Viereck, 1913. Proc. U. S. Natl. Mus. 44: 645. One species.

Type: (*Eripternimorpha schoenobii* Viereck, 1913) = subspecies of *Amauromorpha metathoracica* Ashmead, 1905. Original designation.

A synonym of *Amauromorpha* (**new synonymy**), its genotype being only a subspecies of the genotype of *Amauromorpha*. The proper scientific name of the present genotype would therefore be *Amauromorpha metathoracica schoenobii* (**new status**).

ERYTHROJOPPA Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 153. One species. Name preoccupied by Cameron, 1902.

Type: *Acanthojoppa* (*Erythrojoppa*) *sauteri* Uchida, 1932. Original designation.

Renamed *Akajoppa*, which see.

ERYTHROPIMPLA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 57. One species.

Type: *Erythropimpla abbottii* Ashmead, 1900. Monobasic.

A synonym of *Camptotypus*, as noted by Cushman (1942. Proc. U. S. Natl. Mus. 92: 284). Whether *Camptotypus* should be maintained as generically distinct from *Hemipimpla*, as Cushman contends (*ibidem*), is a question requiring study.

ESUCHONEMATOPODIUS Cushman, 1922. Philippine Jour. Sci. 20: 567. One species.

Type: *Esuchonematopodius luzonensis* Cushman, 1922. Original designation.

A synonym of *Diapetus*. *Diapetus* and *Michrochorus* are subgenera of *Nematopodius* (**new status**). The subgenera of *Nematopodius* may be distinguished as follows:

1. Epomia ending dorsally in a prominent tooth on upper margin of pronotum; clasper of male genitalia ending in a slender rod ..... *Microchorus*
   Epomia not toothed above and not reaching upper margin of pronotum; clasper of male genitalia rounded apically 2
2. Occipital carina distinct dorsally; apical carina of propodeum represented only by lateral vestiges ..... *Nematopodius*
   Occipital carina absent dorsally; apical carina of propodeum usually distinct, complete or interrupted medially, or sometimes absent ..... *Diapetus*

Cushman has referred a number of species to *Diapetus*, which considering the subordination of *Diapetus* to *Nematopodius* as a subgenus, should now be included under *Nematopodius*. The necessary nomenclatorial shifts are as follows:

Earrana nigromaculata Cameron, 1907 = *Nematopodius* (subgenus?) *nigromaculata*.

Ischnoceros? dimidiatus Brullé, 1846 = *Nematopodius* (*Diapetus*) *dimidiatus*.

Diapetus (*D.*) *pallidicornis* Cushman, 1932 = *Nematopodius* (*Diapetus*) *pallidicornis*.

Diapetus (*D.*) *unicolor* Cushman, 1932 = *Nematopodius* (*Diapetus*) *unicolor*.

Diapetus (*D.*) *parvus* Cushman, 1932 = *Nematopodius* (*Diapetus*) *parvus*.

Earrana lutea Cameron, 1905 = *Nematopodius* (subgenus?) *luteus*.

Diapetus (*D.*) *taiwanensis* Cushman, 1932 = *Nematopodius* (*Diapetus*) *taiwanensis*.

Diapetus (*D.*) *dissipus* Cushman, 1932 = *Nematopodius* (*Diapetus*) *dissipus*.

Diapetus (*D.*) *piceatus* Cushman, 1932 = *Nematopodius* (*Diapetus*) *piceatus*.

Diapetus (*D.*) *fossulatus* Cushman, 1932 = *Nematopodius* (*Diapetus*) *fossulatus*.

Esuchonematopodius luzonensis Cushman, 1922 = *Nematopodius* (*Diapetus*) *luzonensis*.

Earrana philippinensis Cushman, 1922 = *Nematopodius* (*Microchorus*) *philippinensis*.

Microchorus mirabilis Szépligeti, 1916 = *Nematopodius* (*Microchorus*) *mirabilis*.

Diapetus (*Microchorus*) *uniformis* Cushman, 1932 = *Nematopodius* (*Microchorus*) *uniformis*.

EUCTENOPUS Ashmead, 1900. Proc. Linnaean Soc. New South Wales 25: 351. One species.

Type: *Euctenopus norazealandicus* Ashmead, 1900. Monobasic.

A synonym of *Phytodietus* **(new synonymy)**. The genus *Phytodietus* may some day be divided into subgenera, when *Euctenopus* may be used for one of them. Cushman (1942. Proc. U. S. Natl. Mus. 92: 286) has discussed the characters of *Euctenopus*.

EXERISTESOIDES Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 51. One species.

Type: (*Pimpla spectabilis* Matsumura, 1926) = subspecies of *Pimpla alternans* Gravenhorst, 1829. Original designation.

A synonym of *Itoplectis*. *Spectabilis* is a subspecies of *Itoplectis alternans* Gravenhorst, 1829, as published by Uchida (1942. Insecta Matsumurana 16: 122). It differs from typical *alternans* most conspicuously in the coloration of the hind tibia, which is fuscous with a white submedian band, the submedian band being wider than in typical *alternans* and the fuscous areas without the ferruginous infusion characteristic of typical *alternans*. *Itoplectis triannulatus* Uchida 1928, *Itoplectis epinotiae* Uchida 1928, and *Itoplectis nigribasalis* Uchida 1937 are synonyms of *spectabilis* **(new synonymies)**.

FORMOCRYPTUS Uchida, 1931. Jour. Faculty Agr. Hokkaido Univ. 30: 192. One species.

Type: *Formocryptus tenuicornis* Uchida, 1931. Original designation.

This genus belong in the Gelini. Distinctive features are its relatively large size, two strong teeth on the clypeus, and strong propodeal apophyses.

FORMOSANOMALON Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 21: 241. One species.

Type: (*Formosanomalon baibarense* Uchida, 1928) = subspecies of *Macrostemma elegans* Shestakov, 1923, new status. Original designation.

A synonym of *Aphanistes* **(new synonymy)**. Its genotype is only a subspecies of the genotype of *Macrostemma*, and this name also should be listed as a synonym of *Aphanistes* **(new synonymy)**. The species *elegans*, genotype of *Formosanomalon* and of *Macrostemma*, although believed to belong in the genus *Aphanistes*, is atypical in having the ocelli large, the lateral ocellus separated from the eye by only about 0.3 its diameter, the median frontal carina reaching the median ocellus and nowhere strongly elevated, and the tarsal claws

somewhat longer than is typical for *Aphanistes*. Uchida (1953. Trans. Shikoku Ent. Soc. 3: 129) has published the synonymy of *Formosanomalon* with *Macrostemma*.

FORMOSTENUS Uchida, 1931. Jour. Faculty Agr. Hokkaido Univ. 30: 180. Two species.

Type: *Mesostenus* (*Formostenus*) *angularis* Uchida, 1931. Original designation.

A synonym of *Isotima* **(new synonymy)**. The genotype of *Formostenus* and certain related species differs from *albicincta* (the genotype of *Isotima*) and its closer relatives in having the brachiella vein present, and in the somewhat narrower postpetiole. Both groups of species agree, however, in having a characteristic arcuate carina above each antennal socket.

FORMOXORIDES Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 14. One species.

Type: *Achorocephalus pilosus* Szépligeti, 1914. Original designation.

A synonym of *Eugalta*. The type of the genotype is in Budapest, but its generic identity is determinable from the original description. Its synonymy was recognized by Uchida (1932. Jour. Faculty Agr. Hokkaido Univ. 33: 221) and by Cushman (1933. Insecta Matsumurana 8: 1).

GLYPTOGASTRA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 57. One species.

Type: *Glyptogastra hawaiiensis* Ashmead. Monobasic.

A synonym of *Echthromorpha*, as previously noted (Townes, 1940. Ann. Ent. Soc. Amer. 33: 288).

HABROCRYPTOIDES Uchida, 1952. Insecta Matsumurana 18: 19. Two species.

Type: *Habrocryptus shikokuensis* Uchida, 1936. Original designation.

A synonym of *Trachysphyrus* **(new synonymy)**.

HEMIEPHIALTES Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 177. One species.

Type: *Hemiephialtes glyptus* Ashmead, 1906. Monobasic.

A synonym of *Glypta*, as was first noted by Uchida (1928. Jour. Faculty Agr. Hokkaido Univ. 25: 71).

HYMENOMACROPYGA Uchida, 1941. Insecta Matsumurana 15: 116. One species.

Type: *Hymenomacropyga latifrontalis* Uchida, 1941. Original designation.

A synonym of *Clistopyga* **(new synonymy)**. The species *latifrontalis* has the temples narrower and the abdominal tergites more heavily punctate than is usual for species of *Clistopyga*, but does not deserve generic distinction.

HYPOPHELTES Cushman, 1924. Proc. U. S. Natl. Mus. 64 (20): 11. One species.

Type: *Hypopheltes pergae* Cushman, 1924. Original designation.

A genus of Mesoleiini as indicated in the original description. I have seen only the genotype, from Australia.

IDIOGNATHUS Cushman, 1922. Philippine Jour. Sci. 20: 558. One species.

Type: *Idiognathus balteatus* Cushman, 1922. Original designation.

A synonym of *Aulojoppa*, as first noted by Heinrich (1934. Mitteil. Zool. Mus. Berlin 20: 127). *Balteatus* is a Philippine subspecies of *Aulojoppa spilocephala* Cameron, 1907, the genotype of *Aulojoppa* **(new status)**.

ISHIGAKIA Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 32. One species.
Type: *Ishigakia exetasea* Uchida, 1928. Original designation.

An Oriental genus of Aeaenitini with long erect hairs on the first sternite, hind tarsal claws simple, apical half of clypeus rather flat and without a subapical transverse ridge, and intercubitus well beyond the second recurrent.

ISOTIMA Foerster, 1868. Ver. naturh. Ver. Rheinlande 25: 182. No species.
Ashmead, 1905. Proc. U. S. Natl. Mus. 29: 407. Four species.
Type: *Isotima albicincta* Ashmead, 1905. By present designation.

A mesostenine genus of the *Goryphus-Gambrus* group of genera. It is distinctive in having, in the female, a semicircular area above each antennal socket bordered dorsally by a carina. The male has either a similar structure or in some species a grotesque specialization of it. Many of the species, including the genotype, lack the brachiella vein. *Isotima cincticornis* Ashmead, 1905 is a synonym of *I. albicincta* (**new synonymy**). *Formostenus*, *Fotsiforia*, and *Mavia* are synonyms of *Isotima* (**new synonymies**).

ITAMUS Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 179. No species.
Name preoccupied by Goebel, 1846 and by Loew, 1849.
Uchida, 1936. Insecta Matsumurana 11: 13. One species.
Type: (*Hemiteles* (*Itamus*) *okamotoi* Uchida, 1936) = *Leptocryptus marginatus* Uchida, 1930. Monobasic.

This genus has a general resemblance to *Bathythrix*, but the notaulus is shorter and not quite so sharp, and the clypeus is larger and with an evenly convex margin. The genotype was described first as *Leptocryptus marginatus* by Uchida in 1930, with which it is hereby synonymized. Besides the genotype from Japan, I have a second species of the genus from the Philippines.

Since the generic name is preoccupied and the genus is a distinct one, I hereby rename it *Uchidella*, as a token of respect for Dr. Toichi Uchida and his work on the Oriental Ichneumonidae.

JEZAROTES Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 30. Two species.
Type: *Jezarotes tamanukii* Uchida, 1928. Original designation.

A genus easily distinguished by the strongly forward projecting median lobe of the mesoscutum. The blunt ventral tooth on the hind femur and subobsolete upper tooth of the mandible are additional features of note.

KARAECHTHRUS Uchida, 1929. Insecta Matsumurana 3: 176. One species.
Type: *Karaechthrus tuberculatus* Uchida, 1929. Original designation.

Closely related to *Echthrus*, from which it differs in having the apex of the clypeus truncate, without a median tooth, and in a few additional minor characters.

KOSHUNIA Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 185. One species.
Type: *Hemiteles* (*Koshunia*) *taiwanellus* Uchida, 1932. Original designation.
The type of the genotype is in Berlin-Dahlem and has not been seen.

The original description indicates that *Koshunia* belongs probably in the *Phobetes* group of genera, tribe Gelini.

KRIEGERIA Ashmead, 1905. Proc. U. S. Natl. Mus. 29: 116. One species.

Type: *Kriegeria heptazonata* Ashmead, 1905. Monobasic.

An Oriental genus of the Mesostenini, subtribe *Echthrina*. Its cardinal characters are: First abdominal tergite with a lateral subbasal triangular projection, acute or subacute in females, blunt and often indistinct in males; pleural carina of propodeum present behind the basal carina; apical carina of propodeum absent; epomia reaching the upper edge of the pronotum and curved strongly forward at its upper end; nervulus varying from interstitial with basal vein to beyond it by 0.3 of its length.

KUNIOCRYPTUS Sonan, 1937. Trans. Nat. Hist. Soc. Formosa 27: 172. One species.

Type: *Orientocryptus flavofasciatus* Uchida, 1931. Original designation.

A synonym of *Latibulus* (**new synonymy**).

LEPTOBATOPSIS Ashmead, 1900. Proc. Linnaean Soc. New South Wales 25: 349. One species.

Type: (*Leptobatopsis australiensis* Ashmead, 1900) = *Cryptus indicus* Cameron, 1897. Monobasic.

A well-known lissonotine genus of the Oriental Region. *Tanera* and *Sauterellus* are synonyms, as discussed by Cushman in 1922, 1924, 1933, and 1940, *Tanera* having the same type species (through synonymy) as *Leptobatopsis*.

LONGICHAROPS Uchida, 1940. Insecta Matsumurana 14: 131. New name for *Nothanomaloides* Uchida, preoccupied.

A synonym of *Casinaria* (**new synonymy**).

MEGALOMYA Uchida, 1940. Trans. Nat. Hist. Soc. Formosa 30: 223. One species.

Type: *Megalomya longiabdominalis* Uchida, 1940. Original designation.

This genus is close to *Alomya*.

MATSUMURAIUS Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 169. One species.

Type: *Matsumuraius grandis* Ashmead, 1906. Monobasic.

A synonym of *Pterocormus*, as was first recognized by Matsumura (1912. Thousand Insects of Japan, Supplement 4: 102).

MELALOPHACHAROPS Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 21: 280. One species.

Type: *Melalophacharops tamanukii* Uchida, 1928. Original designation.

Very close to *Charopsimorpha*.

METACHORISCHIZUS Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 35. One species.

Type: *Metachorischizus unicolor* Uchida, 1928. Original designation.

Related to *Siphimedia*.

METARHYSSA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 40. One species.

Type: *Metarhyssa bifasciata* Ashmead, 1900. Monobasic.

A synonym of *Gabunia* (**new synonymy**). Cushman (1942. Proc. U. S. Natl. Mus. 92: 279-280) has redescribed the genotype. The genus belongs in the Mesostenini, subtribe Echthrina.

METOPHELTES Uchida, 1932. Insecta Matsumurana 6: 162. One species.
Type: *Metophelles petiolaris* Uchida, 1932. Original designation.

This genus is close to *Perilissus*.

METOPICHNEUMON Uchida, 1935. Insecta Matsumurana 10: 13. One species.
Type: *Protichneumon* (*Metopichneumon*) *superomediae* Uchida, 1935. Original designation.

Proposed first as a subgenus of *Protichneumon* and later (1937. Insecta Matsumurana 11: 85) elevated to generic rank. It is very close to *Protichneumon*, but the genotype is unusual in having a compressed tubercle in the middle of the frons, a relatively narrow clypeus, and relatively elongate areola with distinct bounding carinae.

MICROTORIDEA Viereck, 1912. Proc. U. S. Natl. Mus. 42: 150. One species.
Type: *Microtoridea lissonota* Viereck, 1912. Original designation.

A synonym of *Diatora* (**new synonymy**).

MICROTORUS Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 175. No species. Uchida, 1940. Insecta Matsumurana 14: 64-66. Two species.
Type: *Microtorus kichijoi* Uchida, 1940. By present designation.

A synonym of *Otacustes* (**new synonymy**). Uchida placed a second species, *Microtus tenuibasalis* Uchida, 1940, in *Microtus*. It should be referred to *Mastrus* (**new combination**).

MONOMACRODON Cushman, 1934. Indian Forest Rec. 20: 2. One species.
Type: *Monomacrodon bicolor* Cushman, 1934. Original designation.

A subgenus of *Netelia*, as noted in 1938 (Townes, Lloydia 1: 186).

MONONTOS Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 165. One species.
Type: *Monontos niphonicus* Uchida, 1926. Original designation.

Near *Heresiarches*, but a distinct genus, not a synonym as stated by Uchida (1932. Insecta Matsumurana 7: 32). In *Monontos* the second lateral area of the propodeum extends to the apical 0.6 of the propodeum and is separated from the third lateral area by a sharp carina. In *Heresiarches* the second lateral area extends to the apical 0.8 of the propodeum and the carina between it and the third lateral area is obsolescent.

MONOPLECTROCHUS Heinrich, 1949. Mitteil. Münchner Ent. Gesell. 35-39: 109. One species.
Type: *Monoplectrochus hoerhammeri* Heinrich, 1949. Original designation.

A synonym of *Periope* (**new synonymy**). Its genotype is related more closely to the Nearctic *Periope aethiops* Cresson than to the European *Periope auscultator* Curtis.

MYRMELEONOSTENUS Uchida, 1936. Insecta Matsumurana 10: 116. One species.
Type: *Myrmeleonostenus babai* Uchida, 1936. Original designation.

Close to *Trychosis*, differing from *Trychosis* in the interstitial nervulus, smaller areolet, narrower first abdominal segment, and longer ovipositor.

NAWAIA Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 184. One species.
Type: *Nawaia japonica* Ashmead, 1906. Monobasic.

A synonym of *Banchus*, as was first noted by Uchida (1931. Insecta

Matsumurana 6: 51). Its genotype (*Banchus japonicus*) is similar to the Nearctic *Banchus canadensis* in the elongate female abdomen and in the relatively small fourth segment of the maxillary palpus of the male. These two species seem to constitute a distinct group.

NEISCHNUS Heinrich, 1952. Ann. Mag. Nat. Hist. (ser. 12) 5: 1066. One species.

Type: *Neischnus oxypygus* Heinrich, 1952. Original designation.

Heinrich placed this genus in the "Ichneumonini," at the same time stating its relation to the Phaeogenini. The type is in Dryden, Maine.

NEODONTOCRYPTUS Uchida, 1940. Insecta Matsumurana 14: 122. New name for *Odontocryptus* Uchida, preoccupied.

The type of the genotype was returned to Berlin-Dahlem, but I have a specimen which appears to belong to the genotype species. It represents an aberrant genus of Mesostenina related possibly to *Trachysphyrus*. Its dark metallic blue coloration and the structural characters described by Uchida should make it easy to recognize.

NEOHERESIARCHES Uchida, 1937. Insecta Matsumurana 11: 87. One species.

Type: *Neoheresiarches albipilosus* Uchida, 1937. Original designation.

This is an unusual genus of which I have seen only the type of the genotype. It is somewhat reminiscent of *Tricholabus* but probably not closely related to it.

NEOPIMPLA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 56. One species.

Type: *Neopimpla abbottii* Ashmead, 1900. Original designation.

The type of the genotype, stated to be from Africa, has never been found since Ashmead published the name, and the original description is insufficient for even a subfamily placement. *Neopimpla* remains a *nomen dubium* until further evidence is available.

NEOPIMPLOIDES Viereck, 1912. Proc. U. S. Natl. Mus. 42: 151. One species.

Type: (*Neopimploides syleptae* Viereck, 1912) = *Ichneumon punctatus* Fabricius, 1787. Original designation.

This is a synonym of *Xanthopimpla*, and its genotype is a synonym of *Xanthopimpla punctata* Fabricius, 1787. The generic synonymy was first published by Krieger (1914. Arch. Naturg. 80 (A), 6: 3) and the specific synonymy first by Cushman (1922. Proc. U. S. Natl. Mus. 60: 10).

NEOTORBDA Uchida, 1932. Insecta Matsumurana 6: 153. One species.

Type: *Torbda* (*Neotorbda*) *sakaguchii* Uchida, 1932. Original designation.

A mesostenine genus of the subtribe Echthrina, related to *Microstenus*. The first tergite has a lateral subbasal triangular projection, the pleural carina of the propodeum is absent beyond the basal carina, both transverse carinae of the propodeum are strong, and the hypostomal carina is obsolete apically and does not meet the occipital carina. I have seen several Oriental and one Madagascan species of the genus. *Didiaspis* is a synonym of *Neotorbda* (**new synonymy**).

NEPHOPHELTES Cushman, 1924. Proc. U. S. Natl. Mus. 64 (20): 16. One species.

Type: *Nephopheltes japonicus* Cushman, 1924. Original designation.

A synonym of *Opheltes*, as previously noted (Townes, 1945. Mem. Amer. Ent. Soc. 11: 495).

NESOMESOCHORUS Ashmead, 1905. Proc. U. S. Natl. Mus. 28: 967. One species.

Type: (*Nesomesochorus oculatus* Ashmead, 1905) = *Atrometus minutus* Ashmead, 1904. Monobasic.

A synonym of *Chriodes*. Its genotype is a synonym of *Atrometus minutus* Ashmead, 1904, and of *Chriodes oculatus* Ashmead, 1905, the genotype of *Chriodes*.

NESOPIMPLA Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 180. One species.

Type: *Nesopimpla naranyae* Ashmead, 1906. Monobasic.

A synonym of *Itoplectis*, as previously noted. (Townes, 1940. Ann. Ent. Soc. Amer. 33: 314).

NESOSTENODONTUS Cushman, 1922. Philippine Jour. Sci. 20: 555. One species.

Type: *Nesostenodontus bakeri* Cushman, 1922. Original designation.

This genus belongs in the Alomyini as defined by the subcircular spiracles and the usually lenticular clypeus. Cushman relates it to *Stenodontus*, emphasizing the sickle-shaped mandible. If the lack of gastrocoeli were emphasized it would be placed near *Centeterus*. Its true relations are problematic. The genus is adequately described and figured in the original publication.

NEUCHORUS Uchida, 1931. Insecta Matsumurana 5: 143. One species.

Type: *Neuchorus longicauda* Uchida, 1931. Original designation.

A synonym of *Phytodietus* (**new synonymy**). The species *longicauda* is closely related to the Nearctic *Phytodietus pulcherrimus* Cresson.

NIPPOCRYPTUS Uchida, 1936. Insecta Matsumurana 11: 3. One species.

Type: *Hemiteles suzukii* Matsumura, 1912.

A synonym of *Trachysphyrus* (**new synonymy**).

NIPPONAETES Uchida, 1933. Insecta Matsumurana 7: 160. One species.

Type: *Hemiteles* (*Nipponaëtes*) *haeussleri* Uchida, 1933. Original designation.

This genus is similar to *Acrolyta* in most characters. Further study of generic limits in this area is needed before a more definite statement can be made as to its relationships and distinctness.

NIPPONOPHION Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 21: 201. One species.

Type: (*Nipponophion variegatus* Uchida, 1928) = variety of *Ophion bombycivorus* Gravenhorst, 1829.

This genus is a synonym of *Stauropoctomus*, a synonymy already published by Cushman (1947. Proc. U. S. Natl. Mus. 96: 456). Uchida (1951. Insecta Matsumurana 17: 127) has reduced the name *variegatus* to varietal status under *bombycivorus*.

NIPPORICNUS Uchida, 1931. Insecta Matsumurana 5: 147. One species.

Type: *Acroricnus tarsalis* Matsumura, 1912. Original designation.

A synonym of *Picardellia* (**new synonymy**). The genus belongs in the Mesostenini, subtribe Osprynchotina, and is close to *Messatoporus*, differing from that genus most conspicuously in the somewhat larger areolet.

NOTHANOMALOIDES Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 21: 273. One species. Name preoccupied by Viereck, 1925.

Type: *Nothanomaloides matsuyamensis* Uchida, 1928. Original designation.

Renamed *Longicharops*, which see.

ODONTOCRYPTUS Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 187. One species. Name preoccupied by Saussure, 1890, by Cameron, 1903, and by Szépligeti, 1916.

Type: *Odontocryptus brillantus* Uchida, 1932. Original designation.

Renamed *Neodontocryptus*, which see.

ODONTOTYLOCOMNUS Uchida, 1940. Trans. Sapporo Nat. Hist. Soc. 16: 179. One species.

Type: *Odontotylocomnus pilosus* Uchida, 1940. Original designation.

A synonym of *Pseudometopius* (**new synonymy**). *Pilosus* is an extraordinary species with the face sharply produced beneath the antennal sockets, the apex of the front tibia with a rounded prolongation, and with other specializations as mentioned in the original description. It does not seem, however, to be more than an aberrant member of the genus *Pseudometopius*.

OPISTHOSTENUS Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 175. No species.

Uchida, 1936. Insecta Matsumurana 11: 43. One species.

Type: *Hemiteles* (*Opisthostenus*) *etorofuensis* Uchida. Monobasic.

A synonym of *Gnypetomorpha* (**new synonymy**).

ORIENTOCRYPTUS Uchida, 1931. Jour. Faculty Agr. Hokkaido Univ. 30: 174. Two species.

Type: *Orientocryptus formosanus* Uchida, 1931. Original designation.

A synonym of *Arthula*, as noted by Uchida in 1940 (Insecta Matsumurana 14: 125).

ORIENTOHEMITELES Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 186. One species.

Type: *Orientohemiteles ovatus* Uchida, 1932. Original designation.

This genus belongs to *Phobetes* group. It differs from all others of that group in having the petiolar area of the propodeum very long (0.7 as long as the propodeum) and the areola very short (about 3.8 as wide as long).

ORIENTOSTENARAEUS Uchida, 1930. Jour. Faculty Agr. Hokkaido Univ. 25: 321. One species.

Type: *Orientostenaraeus chinensis* Uchida, 1930. Original designation.

This is a singular mesostenine genus with coarse apical teeth on both upper and lower ovipositor valves, the ovipositor about 1.3 to 1.5 as long as the head and body, the clypeus broad, and the areolet as in *Mesostenus*. The genotype occurs in China, Taiwan, and the Philippines and I have a second species from Queensland. The European *Mesostenus gladiator* Scopoli, 1763 is closely related to these two species but differs in having the apical propodeal carina present. *Parasilsila* is a synonym (**new synonymy**).

OTOHIMEA Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 146. Two species.

Type: (*Otohimea nigra* Uchida, 1926) = *Ichneumon incanescens* Smith, 1874. Original designation.

A synonym of *Tricholabus*, as has been noted by Uchida (1932.

Insecta Matsumurana 7: 31).

PARACRYPTUS Uchida, 1932. Insecta Matsumurana 6: 149. One species.

Type: *Paracryptus orientalis* Uchida, 1932. Original designation.

Close to *Trachysphyrus* and further study may prove it to be a synonym.

PARAGAMBRUS Uchida, 1936. Insecta Matsumurana 11: 7. One species.

Type: *Gambrus sapporonis* Uchida, 1930. Original designation.

The genus is superficially similar to *Agrothereutes* and *Gambrus*. The apical margin of the clypeus is without a median angulation, the apical carina of the propodeum indicated only laterally, and the dorsal valve of the ovipositor has distinct apical teeth.

PARAGRYPON Uchida, 1941. Insecta Matsumurana 15: 159.

Type: *Gongropelma kikuchii* Uchida, 1928. Original designation.

A synonym of *Phaenolabrorychus* (**new synonymy**).

PARAPHYLAX Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 176. No species.

Ashmead, 1904. Proc. U. S. Natl. Mus. 28: 141. One species.

Type: *Paraphylax fasciatipennis* Ashmead, 1904. Monobasic.

This is an Oriental and Australian genus of the *Phobetes* group, tribe Gelini, containing many species. Its generic characters are: Disc of scutellum and upper part of temple smooth or with weak punctures, the scutellum with a weak median longitudinal elevation and the upper part of temple flat or almost so; notaulus extending more than 0.6 the length of the mesoscutum; nervulus approximately opposite the basal vein, or beyond it by less than 0.35 its length; sternaulus extending distinctly to near the middle coxa; propodeum with its first and second pleural areas separated by a carina just beyond the spiracle and its median apical area occupying 0.4 to 0.6 of the propodeal length; spiracle of first tergite at 0.65 to 0.7 the distance from the base of the tergite; first sternite without a preapical transverse carina; ovipositor sheath about as long as the width of the second tergite; ovipositor point not unusually slender.

PERILISSOIDES Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 213. One species.

Type: *Perilissoides cubitalis* Uchida, 1932. Original designation.

This genus is not in Uchida's collection. The type of the genotype is in Berlin-Dahlem. The genus is said to be near *Perilissus* and is distinguished by a peculiar venation.

PHOTOPTERA Viereck, 1913. Proc. U. S. Natl. Mus. 46: 380. One species.

Type: *Photoptera erythronota* Viereck, 1913. Original designation.

A synonym of *Paraphylax* (**new synonymy**).

PIELIA Uchida, 1937. Insecta Matsumurana 11: 91. One species.

Type: *Pielia concava* Uchida, 1937. Original designation.

The type of the genotype is in Musée Heude, Shanghai. Uchida compares the genus with *Bureschias*, *Eupalamus*, and *Gyrodonta*. The face and clypeus are concave, the face has a strong transverse carina just below the antennal sockets, and the gastrocoeli are indistinct.

PLANOCRYPTUS Heinrich, 1949. Mitteil. Münchner Ent. Gessell. 35-39: 56. One species.

Type: *Planocryptus mirabilis* Heinrich, 1949. Original designation.

A synonym of *Cubocephalus* (**new synonymy**).

PLATYJOPPA Uchida, 1932. Insecta Matsumurana 6: 146. One species.

Type: *Platyjoppa naxae* Uchida, 1932. Original designation.

This genus is somewhat intermediate in its characters between *Aoplus* and *Stenichneumon*, but different from both in the sharply elevated, laterally margined scutellum. The costula is strong.

PLECTOCHORUS Uchida, 1933. Insecta Matsumurana 7: 163. One species.

Type: *Mesochorus iwatensis* Uchida, 1928. Original designation.

Near *Stictopisthus*. The transverse carina beneath the antennal sockets is continuous, without a median dip, and the prepectal carina reaches the front edge of the mesopleurum. These are characters shared with *Stictopisthus*. Females differ from those of *Stictopisthus* in having the propodeum extending to or beyond the middle of the hind coxa, abdomen greatly elongate, and the ovipositor sheath only about four times as long as wide. Males seem indistinguishable from those of *Stictopisthus*.

PLEURONEUROPHION Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 86. One species.

Type: *Pleuroneurophion hawaiensis* Ashmead, 1900. Original designation.

A synonym of *Enicospilus*, as previously noted (Townes, 1945. Mem. Amer. Ent. Soc. 11: 737).

POTOPHION Cushman, 1947. Proc. U. S. Natl. Mus. 96: 442. One species.

Type: *Potophion caudatus* Cushman, 1947. Original designation.

Near *Ophion*, from which it differs in the longer ovipositor and somewhat elongate trophi, as described and figured in the original publication.

PROSOPOSTENUS Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 184. One species.

Type: *Hemiteles* (*Prosopostenus*) *koshunensis* Uchida, 1932. Original designation.

The type of the genotype is in Berlin-Dahlem and has not been seen.

PROTEROCRYPTUS Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 174. One species.

Type: *Proterocryptus nawaii* Ashmead, 1906. Monobasic.

A synonym of *Brachycyrtus*, as was first noted by Roman (1915. Ark. för. Zool. 9 (9): 5).

PSEUDAROTES Uchida, 1929. Insecta Matsumurana 3: 179. One species.

Type: *Pseudarotes chishimensis* Uchida, 1929. Original designation.

This genus is a synonym of *Yamatarotes* (**new synonymy**). Its genotype has the propodeum, first sternite, first tergite, and scutellum with specialized swellings, but these may be regarded as specific rather than generic characters.

PSEUDASTHENARA Uchida, 1930. Jour. Faculty Agr. Hokkaido Univ. 25: 276. One species.

Type: *Asthenara rufocincta* Ashmead, 1906. Original designation.

A synonym of *Euceros*, as previously noted (Townes and Townes, 1951. U. S. Dept. Agr., Agr. Monog. 2: 321). The type of the genotype

is in Washington.

PSEUDEUGALTA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 55. One species.

Type: *Eugalta spinosa* Cameron, 1899. Original designation.

A synonym of *Eugalta*. Cushman (1933. Insecta Matsumurana 8: 1) has discussed the synonymy.

PSEUDOCHASMIAS Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 115. One species.

Type: *Pseudochasmias major* Uchida, 1926. Original designation.

Resembles *Chasmias* in most of its characters. The propodeum is a little more elongate than in *Chasmias* and the areola bounded posteriorly in both sexes by a strong carina. The apex of the female antenna is a little more tapered than in *Chasmias*. The apical edge of the clypeus is truncate with a weak median angular projection. The upper edge of the face is unique in having a median, short, broad, angular, upward-projecting flange in place of the usual subantennal tubercle.

PSEUDODINOTOMUS Uchida, 1925. Trans. Nat. Hist. Soc. Formosa 15: 239. One species.

Type: *Pseudodinotomus tricolor* Uchida, 1925. Original designation.

A synonym of *Charitojoppa*, as noted by Uchida (1932. Insecta Matsumurana 7: 25).

PSEUDOTORBDA Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 195. One species.

Type: *Pseudotorbda geniculata* Uchida, 1932. Original designation.

A mesostenine genus of the subtribe *Echthrina*. The first tergite has a basal lateral triangular projection, the pleural carina of the propodeum is absent beyond the basal carina, the apical transverse carina of the propodeum absent, and the clypeus without a median apical tooth but with a subapical transverse ridge. Besides the genotype from Taiwan, I have seen one species from Japan and two from the Philippines.

PSYCHOSTENUS Uchida, 1955. Insecta Matsumurana 19: 32. Three species.

Type: *Psychostenus minusculae* Uchida, 1955. Original designation.

A synonym of *Atelcute*. *Talorga* and *Tsirirella* are also synonyms (all **new synonymies**).

PYCNOPHION Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 87. One species.

Type: *Pycnophion molokaiensis* Ashmead, 1900. Original designation.

Related to *Enicospilus*. Cushman (1947. Proc. U. S. Natl. Mus. 96: 461-462) has discussed its characters.

PYCNOPYGE Cushman, 1922. Philippine Jour. Sci. 20: 552. One species.

Type: *Pycnopyge bella* Cushman, 1922. Original designation.

A distinctive Oriental genus placed in the Oedicephalini by Heinrich. It is adequately described and figured by Cushman in the original description.

RHEXIDERMUS Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 192. No species.

Ashmead, 1906. Proc. U. S. Natl. Mus. 30: 171. One species.

Type: *Rhexidermus japonicus* Ashmead, 1906. Monobasic.

This is the proper name for *Ischnus* of authors. The genotype of *Ischnus* (*porrectorius*) is a species of *Habrocryptus*, so *Ischnus* must be used in the Mesostenini, with *Habrocryptus* as a synonym, and *Ischnus* of authors, in the Alomyini, must be called by the name *Rhexidermus*. *Rhexidermus* as interpreted by Uchida (1926. Jour. Fac. Agr. Hokkaido Univ. 18: 166), however, is *Pseudoplatylabus*, and his species *Rhexidermus apicalis* must be called *Pseudoplatylabus apicalis* (**new combination**).

SCENOCHAROPS Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 202. One species.

Type: *Scenocharops longipetiolaris* Uchida, 1932. Original designation.

This genus is close to *Charops* but differs in having the areolet present but small (or occasionally absent) and the outer lower angle of the second discoidal cell slightly less than a right angle. It contains a number of Oriental species.

In 1946 I (Bol. Ent. Venezol. 5: 61) included *Schenocharops* in the genus *Charops* as an aberrant Oriental species group. I now agree with Uchida as to its generic distinctness.

STENARAEOIDES Uchida, 1932. Jour. Faculty Agr. Hokkaido Univ. 33: 181. Three species.

Type: *Mesostenus octocinctus* Ashmead, 1906. Original designation.

A synonym of *Gotra*. Uchida has published the synonymy (1940. Insecta Matsumurana 14: 121).

STENICHNEUMONOIDES Uchida, 1930. Insecta Matsumurana 5: 95. Three species.

Type: *Stenichneumon posticalis* Matsumura, 1912. Original designation.

This genus is intermediate between *Stenichneumon* and *Chiaglas*, having the clypeal and propodeal characters of the former and the post petiole without a distinctly raised median area as in the latter. Uchida (1937. Insecta Matsumurana 11: 93-94) has discussed the generic characters.

STREPSIMALLUS Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 176. No species.

Ashmead, 1905. Proc. U. S. Natl. Mus. 29: 115. One species.

Type: *Strepsimallus bicinctus* Ashmead, 1905. Monobasic.

This is an Oriental genus of the *Phobetes* group, tribe Gelini. I know only three species. Its generic characters are mostly the same as those of *Paraphylax* but the upper part of the temple is strongly convex, mat or rugosopunctate; and the scutellum is rather flat, mat or rugoso-punctate.

STRIATOSTENUS Uchida, 1931. Jour. Faculty Agr. Hokkaido Univ. 30: 177. One species.

Type: *Striatostenus areolatus* Uchida, 1931. Original designation.

A synonym of *Coesula* (**new synonymy**).

TAIWATHERONIA Sonan, 1936. Trans. Nat. Hist. Soc. Formosa 26: 256. One species.

Type: (*Taiwatheronia mahasenae* Sonan, 1936) = *Apechthis taiwana* Uchida, 1928. Original designation.

A synonym of *Ephialtes* Schrank, 1802 (**new synonymy**). A paratype of *T. mahasenae* in Uchida's collection was compared with the type of *Apechthis taiwana* Uchida, 1928, and found to be conspecific (**new synonymy**).

TAKANOMA Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 163. One species.

Type: *Takanoma ishiyamana* Uchida, 1926. Original designation.

Close to *Phacogenes* but probably merits generic distinction. The Nearctic *Ichneumon vincibilis* Cresson, 1867 should be referred to *Takanoma* (**new combination**).

TAKASTENUS Uchida, 1931. Jour. Faculty Agr. Hokkaido Univ. 30: 188. One species.

Type: *Takastenus longidentatus* Uchida, 1931. Original designation.

This is a genus of the Mesostenina, close to *Buodias*, with a large number of Oriental species. *Chromocryptus albomaculatus* Ashmead, 1905, should be referred to it (**new combination**).

TEMELUCHA Foerster, 1868. Verh. naturh. Ver. Rheinlande 25: 148. No species.
Ashmead, 1904. Canad. Ent. 36: 101. One species.

Type: *Temelucha philippinensis* Ashmead, 1904. Monobasic.

This genus is *Cremastus* as understood by American authors, but according to recent information from J. F. Perkins in England the species commonly determined as *Cremastus spectator* Gravenhorst, the genotype of *Cremastus*, belongs in the group called *Zaleptopygus* in America. Mr. Perkins also reports that the genotype of *Tarytia* is congeneric with that of *Temelucha*. In view of this information *Tarytia* is hereby synonymized with *Temelucha*, which is the same as *Cremastus* of American authors, and true *Cremastus* is considered either the same as *Zaleptopygus*, or of uncertain identity until Gravenhorst's type of *C. spectator* can be examined.

TOGEA Uchida, 1926. Jour. Faculty Agr. Hokkaido Univ. 18: 109. Four species.

Type: *Togea albofasciata* Uchida, 1926. Original designation.

Close to *Neocratichneumon*, from which it differs most conspicuously, at least in the genotype, in lacking the lateral carina on the scutellum. Uchida (1937. Insecta Matsumurana 11: 93) states that *Barichneumonites* is a synonym, but this is a distinct genus.

TOSQUINETIA Ashmead, 1900. Canad. Ent. 32: 368. New name for *Obba* Tosquinet, preoccupied by Beck, 1837, and by Walker, 1869.

I have not studied material of this genus, but Heinrich (1938. Mém. Acad. Malagache 25: 36-37) has discussed its taxonomy, placing it near *Compsophorus* and *Pyramidellus* in the Listrodromini.

TYLOCOMNOIDES Uchida, 1940. Trans. Sapporo Nat. Hist. Soc. 16: 178. One species.

Type: *Tylocomnoides egawai* Uchida, 1940. Original designation.

A synonym for *Pseudometopius* (**new synonymy**).

UCHIDELIA, **new name** for *Itamus* Foerster, which see.

YAMATAROTES Uchida, 1929. Insecta Matsumurana 3: 180. Two species.

Type: *Yamatarotes bicolor* Uchida, 1929. Original designation.

This genus resembles *Arotes*, particularly in having an accessory tooth on the hind tarsal claws, but is distinct from *Arotes* in having the clypeus thin apically, not inflexed or impressed, and the intercubitus a little basad of the second recurrent.

YEZOCERYX Uchida, 1928. Jour. Faculty Agr. Hokkaido Univ. 25: 36. One species.

Type: *Yezocerys scutellaris* Uchida, 1928. Original designation.

This is a genus of Acaenitini which includes many species from the eastern Palaearctic Region and the Indo-Australian area, and *Acaenitus rupinsulensis* from the United States (**new combination**).

ZAMESOCHORUS Viereck, 1912. Proc. U. S. Natl. Mus. 42: 152. One species.

Type: *Zamesochorus orientalis* Viereck, 1912. Original designation.

This is a synonym of *Edrisa* (**new synonymy**).

ZAPARAPHYLAX Viereck, 1913. Proc. U. S. Natl. Mus. 44: 647. One species.

Type: (*Zaparaphylax perinae* Viereck, 1913) = *Microtoridea lissonota* Viereck, 1912. Original designation.

A synonym of *Diatora* (**new synonymy**).

ZONOCRYPTUS Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 40. One species.

Type: *Cryptus sphingis* Ashmead, 1900. Monobasic.

Cushman (1942. Proc. U. S. Natl. Mus. 92: 277-279) has redescribed the genotype and discussed the status of the genus. *Zonocryptus* comes within Waterston's definition of *Oncilella* (1927. Bull. Ent. Res. 18: 191-204), but Waterson's *Oncilella* is polyphyletic, as he was deceived by the common color pattern into thinking that at least two unrelated groups of species were congeneric. The color pattern involved occurs in a number of unrelated African Hymenoptera. It is evidently a mimicry pattern and as such should not be used as evidence for phyletic relationship. The genotype of *Oncilella* (*formosa* Brullé) is a species with which I am not familiar so it would not be profitable to speculate on the disposition of this generic name. *Zonocryptus sphingis* Ashmead is very close to *nigiriensis* Waterston.

I have the species *Oncilella latifascia* Waterston, 1927, *and O. nigeriensis* Waterston, 1927, which should be referred to *Zonocryptus* and also the species *O. subquadrata* Waterston, 1927, and *O. brevispicula* Waterston, 1927, which should be referred to Uchida's genus *Cochlidionostenus* (**new combinations**). Since Waterston states that *Cryptus corpulentus* Tosquinet, 1896, is closely related to *subquadrata* and *brevispicula*, this species also is referred to *Cochlidionostenus* (**new combination**).

ZONOPIMPLA Ashmead, 1900. Proc. U. S. Natl. Mus. 23: 55. One species.

Type: *Zonopimpla albicincta* Ashmead, 1900. Original designation.

Though Ashmead stated that the genotype was from "Africa" it is actually from Peru. The genus is related to *Scambus* (= *Epiurus*) and restricted to the Neotropic region. Cushman (1942. Proc. U. S. Natl. Mus. 92: 283) has discussed the genus. He synonymized it with "*Epiurus*," but it is distinct from "*Epiurus*" in lacking the occipital carina and in lacking sculpture on the the abdominal tergites.